

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17377

A. CLASSIFICATION OF SUBJECT MATTERIPC(7) : H04J 3/16, 3/17; H04B 7/212
US CL : 375/222, 233; 370/328, 347, 418, 441

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 375/222; 370/328, 347, 418

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,226,277 B1 (CHUAH) 01 May 2001 (01.05.2001), abstract	1-16
A	US 6,408,019 B1 (PICKERING et al.) 18 June 2002 (18.06.2002), column 21, lines 25-67	17-24
A,P	US 6,567,416 B1 (CHUAH) 20 May 2003 (20.05.2003), abstract	1-16
A	US 6,240,099 B1 (LIM et al.) 29 May 2001 (29.04.1999), abstract	17-24
A,P	US 6,535,554 B1 (WEBSTER et al.) 18 March 2003 (18.03.2003), abstract	17-24

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 28 August 2003 (28.08.2003)	Date of mailing of the international search report 06 OCT 2003
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